

## Chapter 35 Nervous System

## Section Review 35-2

### Reviewing Key Concepts

**Short Answer** *On the lines provided, answer the following questions.*

1. What role does the nervous system play in the functions of the body?

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2. What are the sources of stimulation that start a nerve impulse?

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### Reviewing Key Skills

**Sequencing** *On the lines provided, write the correct sequence of events (from 1 through 6) that occur during the transmission of a nerve impulse.*

- \_\_\_\_\_ 3. Action potential continues to move along the axon.  
 \_\_\_\_\_ 4. Sodium gates open. Action potential occurs.  
 \_\_\_\_\_ 5. Neuron returns to rest.  
 \_\_\_\_\_ 6. Neuron is stimulated by another neuron or by the environment.  
 \_\_\_\_\_ 7. As the action potential passes, the potassium gates open.  
 \_\_\_\_\_ 8. Neuron is at rest.

**Interpreting Graphics** *On the lines provided, identify the parts of a neuron. Use the following terms: dendrites, axon, myelin sheath, nodes, cell body, nucleus, and axon terminals.*

9. \_\_\_\_\_ 10. \_\_\_\_\_  
 11. \_\_\_\_\_ 12. \_\_\_\_\_  
 13. \_\_\_\_\_ 14. \_\_\_\_\_  
 15. \_\_\_\_\_

